

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**Attorney Docket No. 011738.0209**

|   |   |                          |
|---|---|--------------------------|
| In re U.S. Patent Application of Frei, et al. | ) |                          |
|   | ) |                          |
| Application No. 10/687,557                    | ) | Group Art Unit: 3735     |
|   | ) |                          |
| Filed: October 15, 2003                       | ) | Examiner: Natnithithadha |
|   | ) |                          |
| For: Signal Quality Monitoring and            | ) | Confirmation No. 7145    |
| Control for a Medical Device System           | ) |                          |

**AMENDMENT AND RESPONSE TO OFFICE ACTION MAILED JUNE 29, 2006**

MS: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

This paper is responsive to the non-final Office Action mailed June 29, 2006. The Office Action set a three-month period for response, thus making this paper due on or before **September 29, 2006**. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment of fee to Deposit Account No. 19-0733.

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.